

Recombinant Human Cathepsin Z

Cat. No. CTSZ-406H **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	Mammalian Cells
Description	<p>Cathepsin Z, also known as CTSZ, is a human gene. The protein encoded by this gene is a lysosomal cysteine proteinase and member of the peptidase C1 family. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. The encoded protein has also been known as cathepsin X and cathepsin P. This gene is expressed ubiquitously in cancer cell lines and primary tumors and, like other members of this family, may be involved in tumorigenesis. At least two transcript variants of this gene have been found, but the full-length nature of only one of them has been determined.</p>
State Of Matter	Frozen.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Molecular Weight	The predicted molecular weight of Recombinant Human Cathepsin X/Z/P is Mr 40 kDa.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated

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Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	CTSZ cathepsin Z [Homo sapiens]
Synonyms	cathepsin Z; CTSX; FLJ17088; CTSZ; cathepsin X; preprocathepsin P; EC 3.4.18.1; OTTHUMP00000031409; Cathepsin P; Cathepsin X
Gene ID	1522
mRNA Refseq	NM_001336
Protein Refseq	NP_001327
MIM	603169
UniProt ID	Q9UBR2
Chromosome Location	20q13
Pathway	Lysosome; Membrane Trafficking
Function	cysteine-type endopeptidase activity; peptidase activity

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